

Material Safety Data Sheet

Saf T Bond #003

Residential Grade Multi Purpose Adhesive

SECTION I - PRODUCT IDENTIFICATION

Manufacturer's Name: Capitol Adhesives
Address: 300 Cross Plains Blvd., Dalton, GA 30720
Telephone #: 1-800-831-8381
Generic ID: Latex Based Flooring Adhesive
DOT Hazard Classification: None
Product Identity: Saf T Bond #003 Residential Grade Multi Purpose Adhesive

SECTION II - HAZARDOUS COMPONENTS

None per OSHA Regulation: 29CFR1910.1200
None per SARA Title III, Section 313 and TSCA 40 CRF 372

SECTION III - PHYSICAL DATA

Initial Boiling Point:	212°F
Vapor Pressure:	Same as water
Vapor Density (Air= 1.0):	Same as water
Specific Gravity:	1.22
G/L VOC (calculated)	0.00
Percent Volatiles:	32.0%

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point:	200°F
Explosive Limit (Product):	NA
Extinguishing Media:	None to avoid
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, oxides of nitrogen and sulfur.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus.
Unusual Fire & Explosion Hazards:	None

SECTION V - HEALTH HAZARD DATA

Permissible Exposure Level:	NA
Threshold Limit Value:	NA
Effects Of Exposure:	Eyes- Possible mild irritation.
Skin- Possible mild irritation.	Breathing- None known.
Swallowing-	Can cause G.I. blockage.
First Aid:	Skin- Soap and water. Eyes- Flush with water, lifting upper and lower lids occasionally. Ingestion- Do not induce vomiting. Call physician or transport to an emergency facility. Inhalation- If affected, remove indi-

vidual to fresh air. Use only in well ventilated areas.

SECTION VI - REACTIVITY DATA

Stability:	Stable
Incompatibility:	None
Hazardous Decomposition:	None
Hazardous Polymerization:	None
Conditions To Avoid:	None Known

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material. Solidified materials accepted for landfill disposal in most locations. Check all local, state, and federal regulations.

SECTION VIII - PROTECTIVE EQUIPMENT

Ventilation: Open all available windows and entrances to insure good ventilation. Respirator Protection: None needed. Protective Gloves: If sensitive. Eye Protection: Wear glasses or protective goggles to avoid splashes. Other Protective Equipment: None required. Wash Hands Thoroughly with Soap and Water.

SECTION IX - SPECIAL PRECAUTIONS

Protect from freezing. Use only in applications as stated on the label. Do not take internally. Close container after each use. Avoid skin and eye contact.

Ventilation with fresh air, including open doors and windows should be observed during any flooring installation. Operate HVAC systems at 100% fresh air intake before, during and after installation to eliminate lingering odors or particulate matter.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

KEEP OUT OF REACH OF CHILDREN



Capitol Adhesives, Inc.
PO Box 2023
300 Cross Plains Blvd.
Dalton, Georgia 30720



Product Specification

#003

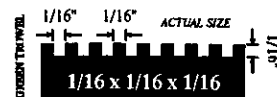
Residential Grade Multi Purpose Adhesive

Capitol Adhesives' Saf T Bond #003 Residential Grade Multi-Purpose Flooring Adhesive is specially formulated for the most common installations. Saf T Bond #003 is calculated "0" VOC's, meaning it contains no solvents, ammonia, alcohol, glycol's or any irritants. Because of these features it is ideal for use in schools, health care facilities, public buildings or anywhere odor must be kept to a minimum.

Saf T Bond #003 is also excellent for felt backed vinyl sheet goods and vinyl composition tile (VCT). Saf T Bond #003 is light in color and is warranted not to cause adhesive yellowing of felt backed vinyl sheet goods. **DO NOT USE FOR SHRINK TO FIT SYSTEMS, SOLID VINYL SHEET GOODS OR PRODUCTS WITH PVC BACKINGS.**

- Description:** Residential Carpet Adhesive
Flammability: Non-Flammable
Open Time: 30-60 minutes - Very wide tack range
Clean Up: Water when wet; Safety solvent or mineral spirits when dry.
Shelf Life: One year in closed container.
Limitations: Do not subject to temperatures below 10°F. If frozen, warm to at least 70°F and stir before using. For interior use only.
Packaging: 5 Gallon, 4 Gallon, 3½ Gallon, 1 Gallon (4/case), 1 Quan (12/case)
For The Installation Of: • Jute Backed Carpet • Urethane (attached cushion) - Enhancer I & II type • Action Bac® Carpet • Light Latex Unitary Carpet • Felt Backed Vinyl Sheet Goods • VCT (Vinyl Composition Tile)
For Use Over: • Concrete- above, on and below-grade, indoors in the absence of excessive moisture, hydrostatic pressure and alkali • Plywood • APA Grade Particle Board • OSB • Terrazzo • Hardwood Floors • Latex-Portland Cement Underlayment • Gypsum Cement Underlayment • VCT • Felt Backed Vinyl Sheet Goods (prime with an acrylic sealer, such as Capitol's Liquid Latex) • Do not use over existing cutback
Prior To Installation: 1. Insure that floor is sound, smooth and level, free of depressions and protrusions. 2. Fill any depressions or cracks with a good grade of latex underlayment. 3. The floor surface must be free of paint, old adhesive, curing agents, parting compounds, oil, grease, wax, and any other contaminant that may hinder the performance of an adhesive. 4. Secure loose tiles, boards, etc. by re-nailing and/or re-gluing. 5. Preheat building to a minimum of 65°F and 35%-65% relative humidity, 48 hours prior to and after installation. 6. Store unwrapped floor covering and adhesive at a minimum of 65°F and 35%-65% relative humidity 48 hours prior to installation, preferably on site. This acclimation will reduce carpet expansion and contraction. 7. Remove dirt and dust by vacuum. 8. Perform a moisture test (concrete only). (see MOISTURE TEST) 9. Perform a porosity check (concrete only). (see POROSITY TEST) 10. Perform an alkalinity test (concrete only). (see ALKALINITY TEST) 11. Determine the appropriate trowel to use. (see MINIMUM TROWEL RECOMMENDATION) 12. Insure that all floor patch is sufficiently cured prior to installation.
Moisture Test: Method #1- Tape down a 2' x 2' sheet of polyethylene plastic with duct tape to concrete. If after 24 hours, moisture is evident on the plastic or the covered concrete is darker, postpone installation and properly seal concrete. Method #2- A hygrometer gives an accurate reading of how much moisture is present. Before using a hygrometer, make sure the slab is at least 55° F (lower temperatures retard water evaporation). A maximum hygrometer reading of 65% is acceptable. Moisture meters and various other testing tools are commercially available. Method #3- Use an Anhydrous Calcium Chloride Kit. Moisture should not exceed 3.0 lbs. per 1000 square feet per 24 hours.
Porosity Test: Porosity pertains to the absorption rate of the substrate. Impervious substrates such as vinyl, terrazzo, and VCT absorb very little moisture. Concrete and wood have variable porosity, depending on whether they are sealed or not. This absorption can affect the drying rate of an adhesive. More porous substrates will cause an adhesive to dry faster, while an impervious substrate will retard the drying rate. To test the porosity of the subfloor, pour a small amount of water in several areas throughout. If the water beads up, the subfloor is very dense or sealed and is relatively non-absorbent. In these conditions, an adhesive will "tack up" at its normal rate. If the water is absorbed rapidly, the substrate is porous. This will reduce the drying time of an adhesive.
Alkalinity Test: Alkalinity frequently is a result of moisture in concrete slabs. High alkalinity may cause an adhesive failure and a floor should always be tested for the presence of alkali. Check the substrate for alkaline content by first dampening several areas with distilled water. Let stand for 5 minutes. Set pH paper into these areas and determine the pH. A pH reading between 6-9 is acceptable. A pH reading of 9+ will require the floor to be neutralized with diluted muriatic acid or vinegar, followed by a water wash.
Installation Instructions: 1. Determine the appropriate trowel to be used (see MINIMUM TROWEL RECOMMENDATIONS). Calculate the amount of adhesive you will need by using the approximate spread rates (rates will vary according to each subfloor.) 2. Spread adhesive leaving trowel ridges high enough to provide 100% transfer. Over non porous subfloors (terrazzo, vinyl sheet, VCT) consider some open time to minimize extra rolling. Fans and cross ventilation will increase the "tack" rate of adhesive. CARPET: Most commercial carpets require that you use a seam sealer (Capitol's #022 Seam Sealer) to prevent edge ravel. Check manufacturers' specs to see if seam sealer is required (most likely it is). Roll carpet shortly after installation with a 75-100 lb. roller to provide 100% transfer. **DO NOT USE A HEAVY ROLLER FOR CUSHION BACKED CARPET.** If bubbles occur, roll again after 2 hours. Restrict heavy traffic for 24 hours. FELT BACKED VINYL SHEET GOODS: Lay sheet goods into adhesive. Shorter open times will give you more "slip time" to adjust the sheet goods without ripping the felt backing. Use manufacturer specified seam sealer to seal all seams. VCT (Vinyl Composition Tile): Adhesive must be tacky prior to laying tiles in. Drying problems and seepage will result if proper open time (approximately 15-20 minutes) is not allowed, particularly over sealed subfloors. 3. Clean up wet adhesive with water. Clean up dry adhesive with suitable solvent.
First Aid: First Aid: Skin- Soap and water. Eyes- Flush with water, lifting upper and lower lids occasionally. Ingestion- Do not induce vomiting. Call physician or transport to an emergency facility. Inhalation- If affected, remove individual to fresh air. Use only in well ventilated areas.

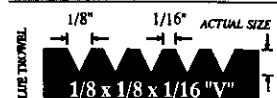
Minimum Trowel Recommendations



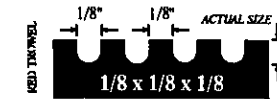
18-19 square yards /gallon
 160-170 square feet /gallon
 • Felt Back Vinyl Sheet Goods
 • VCT (Vinyl Composition Tile)



17-18 square yards /gallon
 • Jute
 • Low Density Urethane



13-14 square yards /gallon
 • Action Bac®/Jute
 • Urethane -Enhancer I & II type (attached cushion)



8-9 square yards /gallon
 • Light Latex Unitary



CFI - Associate Member